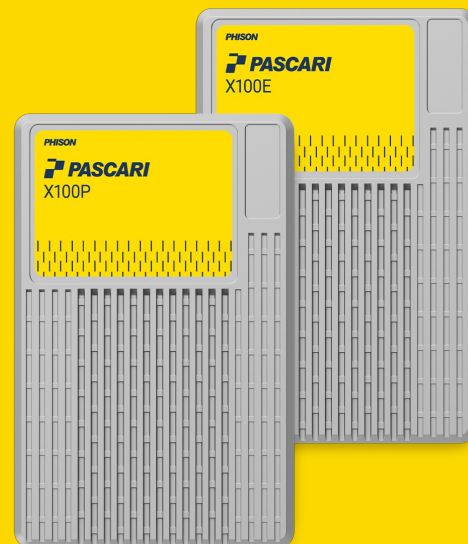


ENTERPRISE X-SERIES

Unrivalled Performance & Low Power Consumption Gen4 SSD

PASCARI X100P

Sequential Read**Up to 7,400MB/s****Sequential Write****Up to 7,000MB/s****Random Read****Up to 1,750K IOPS****Random Write****Up to 490K IOPS****Interface****PCIe Gen4 x4****Capacity****Up to 30720GB****Form Factor****U.2 U.3****DWPD****1****Product Features**

- Power Loss Protection (PLP)
- AES-XTS 256-bit Encryption
- End-to-End Data Path Protection
- Multiple Namespaces

Solutions – X100P

Form Factor U.2 U.3					
Capacity ¹	1920GB	3840GB	7680GB	15360GB	30720GB
Interface	PCIe Gen4 x4	PCIe Gen4 x4	PCIe Gen4 x4	PCIe Gen4 x4	PCIe Gen4 x4
NAND Flash	3D TLC	3D TLC	3D TLC	3D TLC	3D TLC
Performance ^{2,3,4}					
Sequential Read (MB/s)	7400	7400	7400	7400	7400
Sequential Write (MB/s)	3600	6900	7000	7000	6000
4K Random Read (IOPS)	1750K	1750K	1750K	1750K	1750K
4K Random Write (IOPS)	126K	195K	190K	210K	210K
Read Latency (Typ., µs)	70	70	70	70	70
Write Latency (Typ., µs)	7	7	7	7	7
Power Consumption ⁵					
Active (W)	13	18	19	20	21
Idle (W)	5.4	5.6	5.8	7.3	8.6
Endurance/Reliability					
DWPD ⁶	1	1	1	1	1
UBER	< 1 sector per 10 ¹⁸ bits read	< 1 sector per 10 ¹⁸ bits read	< 1 sector per 10 ¹⁸ bits read	< 1 sector per 10 ¹⁸ bits read	< 1 sector per 10 ¹⁸ bits read
MTBF (million hours)	2.5	2.5	2.5	2.5	2.5
Limited Warranty (years)	5	5	5	5	5
Temperature					
Operating Temp. (°C)	0 - 70	0 - 70	0 - 70	0 - 70	0 - 70
Non-Operating Temp. (°C)	-40 - 85	-40 - 85	-40 - 85	-40 - 85	-40 - 85
Physical Dimension					
Length (mm)	100.10	100.10	100.10	100.10	100.10
Width (mm)	69.85	69.85	69.85	69.85	69.85
Height (mm)	14.65	14.65	14.75	14.75	14.75
Weight (g)	198	200	203	205	208
Part Number					
Single Port Non-SED FW	XP106H011T92P022T0400	XP106H013T84P024T0900	XP106H017T68P028T1900	XP106H0115T3P0116T300	XP106H0130T7P0132T700
Single Port SED FW	XP106H011T92P222T0400	XP106H013T84P224T0900	XP106H017T68P228T1900	XP106H0115T3P2116T300	XP106H0130T7P2132T700
Dual Port Non-SED FW	XX106H011T92P022T0400	XX106H013T84P024T0900	XX106H017T68P028T1900	XX106H0115T3P0116T300	XX106H0130T7P0132T700
Dual Port SED FW	XX106H011T92P222T0400	XX106H013T84P224T0900	XX106H017T68P228T1900	XX106H0115T3P2116T300	XX106H0130T7P2132T700

(1) 1 GB = 10⁹ bytes.

(2) Sequential Performance is based on FIO on Linux, 128KB data size, with QD=32, 1 job.

(3) Random Performance is based on FIO on Linux, 4KB data size, QD=32.

(4) Latency is measured with random workloads based on FIO on Linux, 4KB data size, QD=1, 1 job.

(5) Power consumption (average RMS) is measured during sequential and random read/write operations.

(6) The results of DWPD are obtained in compliance with JESD219A standards.



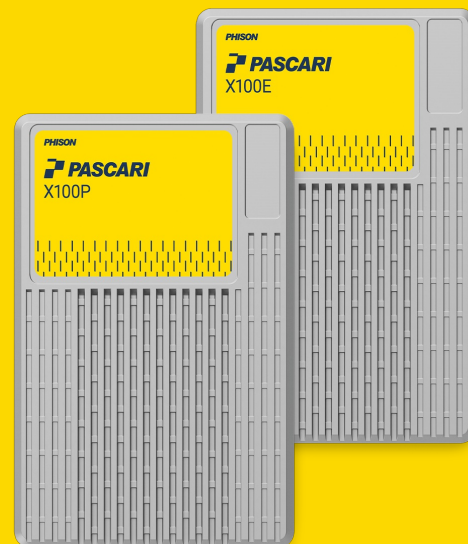
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ENTERPRISE X-SERIES

Unrivalled Performance & Low Power Consumption Gen4 SSD

PASCARI X100E

Sequential Read**Up to 7,400MB/s****Sequential Write****Up to 7,000MB/s****Random Read****Up to 1,750K IOPS****Random Write****Up to 490K IOPS****Interface****PCIe Gen4 x4****Capacity****Up to 25600GB****Form Factor****U.2 U.3****DWPD****3****Product Features**

- Power Loss Protection (PLP)
- AES-XTS 256-bit Encryption
- End-to-End Data Path Protection
- Multiple Namespaces

Solutions – X100E

Form Factor U.2 U.3					
Capacity ¹	1600GB	3200GB	6400GB	12800GB	25600GB
Interface	PCIe Gen4 x4	PCIe Gen4 x4	PCIe Gen4 x4	PCIe Gen4 x4	PCIe Gen4 x4
NAND Flash	3D TLC	3D TLC	3D TLC	3D TLC	3D TLC
Performance ²³⁴					
Sequential Read (MB/s)	7400	7400	7400	7400	7400
Sequential Write (MB/s)	3600	6900	7000	7000	6000
4K Random Read (IOPS)	1750K	1750K	1750K	1750K	1750K
4K Random Write (IOPS)	300K	460K	460K	490K	470K
Read Latency (Typ., µs)	70	70	70	70	70
Write Latency (Typ., µs)	7	7	7	7	7
Power Consumption ⁵					
Active (W)	13	18	19	21	20
Idle (W)	5.4	5.6	5.8	7.3	8.6
Endurance/Reliability					
DWPD ⁶	3	3	3	3	3
UBER	< 1 sector per 10 ¹⁸ bits read	< 1 sector per 10 ¹⁸ bits read	< 1 sector per 10 ¹⁸ bits read	< 1 sector per 10 ¹⁸ bits read	< 1 sector per 10 ¹⁸ bits read
MTBF (million hours)	2.5	2.5	2.5	2.5	2.5
Limited Warranty (years)	5	5	5	5	5
Temperature					
Operating Temp. (°C)	0 - 70	0 - 70	0 - 70	0 - 70	0 - 70
Non-Operating Temp. (°C)	-40 - 85	-40 - 85	-40 - 85	-40 - 85	-40 - 85
Physical Dimension					
Length (mm)	100.10	100.10	100.10	100.10	100.10
Width (mm)	69.85	69.85	69.85	69.85	69.85
Height (mm)	14.65	14.65	14.75	14.75	14.75
Weight (g)	198	200	203	205	208
Part Number					
Single Port Non-SED FW	XP106H011T60E022T0400	XP106H013T20E024T0900	XP106H016T40E028T1900	XP106H0112T8E0116T300	XP106H0125T6E0132T700
Single Port SED FW	XP106H011T60E222T0400	XP106H013T20E224T0900	XP106H016T40E228T1900	XP106H0112T8E2116T300	XP106H0125T6E2132T700
Dual Port Non-SED FW	XX106H011T60E022T0400	XX106H013T20E024T0900	XX106H016T40E028T1900	XX106H0112T8E0116T300	XX106H0125T6E0132T700
Dual Port SED FW	XX106H011T60E222T0400	XX106H013T20E224T0900	XX106H016T40E228T1900	XX106H0112T8E2116T300	XX106H0125T6E2132T700

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(5) Power consumption (average RMS) is measured during sequential and random read/write operations.

(6) The results of DWPD are obtained in compliance with JESD219A standards.



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